

YPL-0061

AMENDMENTS TO THE CLAIMS

1. - 9. (Canceled)

10. (Currently amended) ~~The A~~ method for detecting a polymerase chain reaction (PCR) product, comprising
providing at least a pair of electrodes in a PCR solution-containing vessel, wherein the pair of electrodes is connected to an impedance sensor;
performing PCR;
producing an electric field between the pair of electrodes; and
measuring a change in impedance magnitude of the PCR solution,
wherein the measuring is performed in the absence of a probe for generating an electrical signal according to claim 1, wherein the measuring of impedance magnitude is and at a
predetermined alternating current voltage frequency with an increase in the number of PCR cycles.

11. (Previously presented) The method according to claim 10, wherein the predetermined alternating current voltage frequency is about 1,000 Hz.

12. (Canceled)